



IntelliVue XDS Solution

Philips 867019 and 865159 Technical Data Sheet

The **IntelliVue XDS Solution** consists of a software package, referred to as the **IntelliVue XDS Application**, and the hardware, referred to as the **IntelliVue XDS Bedside Device**.

IntelliVue XDS Application (867019)

Features

- Can be run on:
 - XDS Bedside Device
 - iPC
 - Standard PC
 - Terminal Server
- Provides a PC based display, independent of size and resolution, connected to:
 - any IntelliVue X2, MP2, MP5, MP5SC, MP60-90 or MX600, MX700 or MX800 patient monitors (release G.0 or later) with the Remote Display functionality.
 - any IntelliVue MX400, MX450, MX500 or MX550 patient monitors (release K.2 or later) with the Remote Display functionality.
- Provides an alternative, large display for IntelliVue Patient Monitors with a small built-in display.
- The content displayed on the Remote Display can be different from the currently selected Screen on the IntelliVue Patient Monitor.

PHILIPS

- External applications, for example, Hospital Information Systems, Patient Lab data, can be started - with patient context - using the integrated XDS LaunchPad.
- The network infrastructure service provides the functionality to print reports from the patient monitor. The reports can be printed on any locally controlled printer connected to a USB Port or the network. Alternatively the report can be stored on the local file system (PDF, PNG, JPG, TIF, GIF and BMP).

Description

The IntelliVue XDS Application provides the following components:

- Network services
- Printing services
- Patient monitor Remote Display
- LaunchPad
- Input Device Sharing services
- XDS Database

The **Network services** included in the XDS Application provide the required services to build a small network even without an Information Center (IP addresses, a list of available printers, time synchronization).

The **Printing services** allow all IntelliVue Patient Monitors on a network to print reports on locally controlled printers configured on the PC. Alternatively reports can be stored on the local file system in PDF, PNG, JPG, TIF, GIF or BMP formats¹. When an Information Center is present in the network, this is responsible for remote printing.

The **Remote Display**² allows the remote display of an IntelliVue Patient Monitor screen on a PC which is connected to the same network. It can as well be configured to allow remote operation of the patient monitor. It is intended to be used as an additional independent display for viewing and operation by clinicians and nurses.

The **LaunchPad**³ makes it possible to launch PC applications from:

- SmartKeys⁴ on IntelliVue MP60-MP90, MX400-MX800 patient monitors
- an application list inside the LaunchPad
- A button on the Windows Toolbar
- An icon on the Desktop

When appropriate, LaunchPad can pass the patient context information as well as log-on information to the applications at start up. LaunchPad can also tell an application being launched to position itself on a specific display, at a specific position and with a specific size (if the application permits). The Clinical Workstation solution - option X30 - with IntelliVue XDS software enhances the functionality of Philips high-acuity IntelliVue monitors by providing fast, convenient access to patient-focused clinical information from hospital information systems. XDS allows you to create a flexible, customizable clinical workspace, combining patient monitoring views and IT applications, with the ability to interact among them to enhance patient care.

Input Device Sharing services⁵ allows you to use the same mouse and keyboard on IntelliVue MP60-MP90 and MX400-MX800 patient monitors, and the PC where the XDS Application is installed, for example, when the two systems are located side by side.

The **XDS Database**⁶ collects and stores vital signs information (numeric data only - no waves) from one connected monitor, for example, HR, pressure, etc. The database can be used by other applications that require continuous access to patient monitoring data. The database can be queried using SQL.

The XDS Application is available as software only package that can be installed on your own hardware, the operating system requirements being:

- Windows Vista SP2
- Windows 7 SP1 (32 & 64 bit)
- Windows 8.1 (32 & 64 bit)
- Windows server 2008 R2 SP1⁷
- Windows Server 2012⁷
- Windows Server 2012 R2⁷

The software can be downloaded from the Internet - see Ordering Information.

¹ Only for IntelliVue Patient Monitors with software revision F.0 or later.

² XDS Remote Display works for IntelliVue Patient Monitors with software revision G.0 or later, with the appropriate functionality option.

³ XDS LaunchPad works for IntelliVue Patient Monitors that have the appropriate functionality option and software revision G.0 or later.

⁴ SmartKeys work for IntelliVue Patient Monitors MX400, MX450, MX500 and MX550 with software revision K.2 or later, for Patient Monitors MX600, MX700 and MX800 with software revision H.0 or later and on IntelliVue MP60-MP90 with software revision J.0 or later.

⁵ Input Device Sharing services work for all IntelliVue Patient Monitors with software revision J.0 or later.

⁶ XDS Database works for all Patient Monitors that have the appropriate functionality option and software revision L.0 or later.

⁷ Installing the XDS software on Server Core-Installation is not supported

IntelliVue XDS Bedside Device (865159)



Features

- Fanless, medical grade PC
- Two separate isolated LAN interfaces with three isolated LAN connectors allow connection to patient monitors, the ICN Network, and to a Hospital Network
- Two independent digital video outputs (one DVI-I and one DVI-D connector)
- Three isolated RS-232 serial interfaces
- Four USB 3.0 ports supporting SuperSpeed mode for keyboard, mouse, barcode reader, touch display, printers etc.
- Integrated cable management
- VESA mounting
- Security lock slot
- Integrated audio amplifier (no internal speaker)
- Potential equalization pin

Description

The IntelliVue XDS Bedside Device is a fan-less, medical grade PC. It is designed for continuous operation in the patient vicinity. It is designed for, but not limited to, use with an IntelliVue Patient Monitor and with the IntelliVue XDS Application.

The XDS Bedside Device can be used with a standard or a medical grade display, either provided by Philips or another manufacturer. It supports up to two displays, with or without touch operation.

XDS Bedside Device Specifications

Max Weight	WxHxD
4.6 kg (10.2 lb)	361 × 305 × 80 mm (14.2 × 12.0 × 3.1 in)

Power	Power Consumption
100-240 V AC, 50/60 Hz	50 W average, 90 W max.

PC Components	Specification
Processor	Intel Core i5-3610ME
Chipset	Mobile Intel QM77 Express
RAM	4 GB (extendable to 8 GB) DDR3/PC1600
Hard disk	320 GB SATA, 24/7 operation
Graphics	Intel HD4000
Cooling	Passive (no fan)
Pre-installed Operating system	Windows 7 Professional 64 bit (OEM for embedded systems)
Supported Operating systems	<ul style="list-style-type: none">• Windows 7 RTM 32 bit• Windows 8 Professional 64 bit

Environmental Specifications	
Temperature Range	
Operating	0–35°C (32–95°F)
Storage	-20–60°C (-4–140°F)
Humidity Range	
Operating	15–95%RH
Storage	5–95%RH
Altitude Range	
Operating	-500–3,000 m (-1,600–10,000 ft)
Storage	-500–4,600 m (-1,600–15,000 ft)
Ingress protection	Minimum IPX1 (protection against ingress of water when the water is dripping vertically)

Interfaces



Gigabit LAN (LAN 1)

Integrated Intel 82579

LAN signals IEEE 802.3 10/100/1000-Base-T compliant, isolated according to IEC 60601-01

LAN Switch (LAN 2A and LAN 2B)

Connects a second internal network card (Intel 82574) to a built-in LAN switch with two external RJ-45 ports

LAN signals IEEE 802.3 10/100-Base-T compliant, isolated according to IEC 60601-01

USB

4 USB 3.0 ports supporting SuperSpeed mode

DVI Video

Two independent video ports

DVI-I connector DVI supports up to WUXGA (1920 x 1200) can drive either a VGA supports resolutions up to QXGA

VGA or DVI (2048 x 1536) display

DVI-D connector DVI supports up to WUXGA (1920 x 1200)

Serial

3 isolated RS232 serial ports each on RJ-45 connector

Audio

HD Audio Codec

Microphone in 3.5 mm audio jack (mono)

Line in (stereo) 3.5 mm audio jack

Line out (stereo) 3.5 mm audio jack

Speaker out 3.5 mm audio jack (Integrated amplifier 2 x 1 W)

Safety

This product has been determined to be in compliance with 2006/95/EC (Low Voltage Directive), and 2004/108/EC (EMC Directive) and carries the CE-marking accordingly.

In addition, the product complies with EN 60950-1 "Information Technology Equipment - Safety" and with the relevant parts of EN 60601-1 and EN 60601-1-1 for use in hospital environments in the patient vicinity.

RX only: U.S. Federal Law restricts this device to sale by or on the order of a physician.

Ordering Information

865159 IntelliVue XDS Bedside Device Options

#XD6	Hardware with Microsoft Windows 7 Professional 64 bit operating system pre-installed
------	--

867019 IntelliVue XDS Application without activated License

The XDS Application software can be downloaded from the Internet on the following web page:

<http://intellivue.medical.philips.com/xds>

The unlicensed XDS Application software is FREE, and can provide up to two simultaneous remote displays and database if the monitor has the appropriate functionality options.

Functionality requires the appropriate option in the Patient Monitor. Check the applicability of the option for the connected product.

Functionality	Options on Monitor
XDS Connectivity	X00
4-wave XDS Connectivity	X04
6-wave XDS Connectivity ^a	X06
XDS Remote Control	X20
Clinical Workstation	X30
XDS Database	X40 (1 concurrent patient monitor connection)
Print Services	Standard
Infrastructure Services	Standard

^a For availability check with your Philips sales representative.

867019 IntelliVue XDS Application with activated License

The XDS Application software can be downloaded from the Internet on the following web page:

<http://intellivue.medical.philips.com/xds>

To activate the license use the licensing dialog that is available during software installation. The License Serial Number will be provided in the shipment documents.

The following options are available:

Functionality	Option
Remote Connectivity	X00 (up to 4 simultaneous patient monitor connections)
Clinical Workstation	X30

867019 IntelliVue XDS Application with activated License

XDS Database	X40 (1 concurrent patient monitor connection)
--------------	---

**Philips Healthcare is part of
Royal Philips**

How to reach us

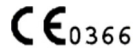
www.healthcare.philips.com
healthcare@philips.com
fax: +31 40 27 64 887

Asia
+852 2821 5888

Europe, Middle East, Africa
+49 7031 463 2254

Latin America
+55 11 2125 0744

North America
+1 425 487 7000
800 285 5585 (toll free, US only)



The XDS Application software is in conformity with the requirements of the European Medical Devices directive 93/42/EEC.

Please visit www.philips.com/



© 2015 Koninklijke Philips N.V.
All rights are reserved.

Philips Healthcare reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

Published in The Netherlands.
4522 991 09291 May 2015